

What is claimed is:

1. A section of a concrete fencing system, comprising a combination of only
2 three major components, including:
 - 3 end posts having a plurality of rail openings located on facing surfaces of the
 - 4 end posts;
 - 5 rails extending between and terminating in the rail openings such that the rails
 - 6 are fully supported by the end posts within the rail openings; and
 - 7 panels mounted directly to and fully supported by only the rails.
2. The section of a concrete fencing system of claim 1 wherein the end posts and
the panels are generally vertically oriented, and the rails are generally horizontally
oriented.
3. The section of a concrete fencing system of claim 1 wherein ends of the panels
are located in and terminate in the rails.
4. The section of a concrete fencing system of claim 1 wherein each of the end
posts, rails, and panels are formed from the same type of reinforced concrete.
5. The section of a concrete fencing system of claim 1 wherein the rail openings
in each end post comprise a notch located at one end of the end post, and a blind hole
located adjacent to an opposite end of the end post.
6. The section of a concrete fencing system of claim 1 wherein each rail has a
longitudinal slot on a surface that faces another rail.

1 7. The section of a concrete fencing system of claim 1 wherein the end posts,
2 rails, and panels are void of mechanical fasteners to connect to each other.

1 8. The section of a concrete fencing system of claim 1, further comprising a bond
2 located between the end posts, rails, and panels to form a more rigid structure,
3 wherein the bond is selected from a group consisting of an adhesive, a filler, and a
4 sealant.

1 9. The section of a concrete fencing system of claim 1, further comprising pucks
2 for joining the rails and the panels.

1 10. The section of a concrete fencing system of claim 9, further comprising inserts
2 located in each of the rails and the panels for receiving the pucks.

1 11. A concrete fencing system, comprising:
2 a plurality of end posts, each having a pair of upper rail openings located on
3 one end of the end posts, and a pair of lower rail openings located adjacent to an
4 opposite end of the end posts, wherein the upper and lower rail openings are located
5 on facing surfaces of the end posts;
6 an upper rail extending between each adjacent pair of the end posts, wherein
7 the upper rails terminate in the upper rail openings such that the rails are fully
8 supported by the end posts within the upper rail openings;
9 a lower rail extending between each adjacent pair of the end posts, wherein the
10 lower rails terminate in the lower rail openings such that the rails are fully supported
11 by the end posts within the lower rail openings; and
12 a plurality of panels mounted directly to and fully supported by only the rails.

1 12. The concrete fencing system of claim 11 wherein the end posts and the panels
2 are generally vertically oriented, and the rails are generally horizontally oriented.

1 13. The concrete fencing system of claim 11 wherein ends of the panels are
2 located in and terminate in the rails.

1 14. The concrete fencing system of claim 11 wherein each of the end posts, rails,
2 and panels are formed from the same type of reinforced concrete.

1 15. The concrete fencing system of claim 11 wherein the upper rail openings in
2 the end posts comprise notches, and the lower rail openings comprise blind holes.

1 16. The concrete fencing system of claim 11 wherein each rail has a longitudinal
2 slot on a surface that faces another rail.

1 17. The concrete fencing system of claim 11 wherein the end posts, rails, and
2 panels are void of mechanical fasteners to connect to each other.

1 18. The concrete fencing system of claim 11, further comprising a bond located
2 between the end posts, rails, and panels to form a more rigid structure, wherein the
3 bond is selected from a group consisting of an adhesive, a filler, and a sealant.

1 19. A concrete fencing system, comprising:
2 a plurality of end posts, each having a pair of upper rail openings located
3 adjacent to one end of the end posts, and a pair of lower rail openings located adjacent
4 to an opposite end of the end posts, wherein the upper and lower rail openings are
5 located on facing surfaces of the end posts;

an upper rail extending between each adjacent pair of the end posts, wherein the upper rails terminate in the upper rail openings such that the rails are fully supported by the end posts within the upper rail openings;

a lower rail extending between each adjacent pair of the end posts, wherein the lower rails terminate in the lower rail openings such that the rails are fully supported by the end posts within the lower rail openings;

a plurality of panels mounted directly to and fully supported by only the rails; inserts located in each of the rails and in each of the panels; and pucks for joining the rails and the panels via the inserts.

20. The concrete fencing system of claim 19, further comprising a bond located between the end posts, rails, and panels to form a more rigid structure, wherein the bond is selected from a group consisting of an adhesive, a filler, and a sealant.

14
下
卷
第
三
編
中
華
書
局
印
行